

15511

Monsanto

FROM (NAME & LOCATION): R. M. McCutchan  
Wm. G. Krumrich

DATE: May 8, 1970

SUBJECT: Status of Aroclor Pollution Control - May Report

REFERENCE: W. G. Krumrich Plans

TO: W. B. Papageorge  
General Offices

cc: B. W. Corlew  
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CURRENT AND TARGETED LEVELS

Sampling of the Aroclor production department drowning jet water, and sampling of the treatment plant effluent continues. No further data available at present.

In last month's report the current Aroclor losses were estimated to be about 65#/day. Since about 4/30/70, I am estimating the losses to have increased to as high as 265#/day. At that time the Muriatic Acid Department stopped using Aroclor HCl off-gas, and a portion of the gas has to be sewerd in the Aroclor Department (246). HCl that is used for Muriatic Acid goes through a condenser and demister, but any sewerd in Department 246 does not. This situation will be corrected (see Item #3 under "current project work") by 5/14/70.

Projected losses remain as reported last month:

<u>TARGET DATE</u>	<u>#/DAY</u>	<u>PPE TO RIVER</u>	<u>ACTION</u>
9/1/70	55	275	Settling tank
10/1/70	10	50	Removal of Aroclor from gas to jet
1971(?)	Below solubility		

KNOWN LOSSES TO SEWER IN APRIL

Other than the routine Aroclor production losses estimated above, known losses to the sewer were estimated as follows:

Dept. 236: 2 gallons from thermisol unit  
Dept. 248: 100 gallons from loose flange during start up (therminol)  
Dept. 251: 5 gallons from leaking centrifuge (hydraulic)  
Dept. 255: 10 gallons from thermisol unit

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IN 10 REV 11-55

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CURRENT PROJECT WORK

1. Absorber Rupture Disc Alterations - Project No. 1512  
\$1500 expense, \$4500 capital  
EDC 6/1/70 (moved up from 7/1)  
Will prevent losses from four rupture disc discharge lines.
2. Install Aroclor Settling Basin - Project No. 1795  
\$7000 expense, \$7000 capital (request on 3/23, approval 5/6/70)  
EDC for project package, 6/15/70  
EDC for installation, 9/1/70 (no change)
3. Off-Gas Piping Alterations (not included last month) -  
Project No. 1348  
\$550 expense, \$2100 capital  
EDC 5/14/70  
This project allows HCl sewerage in Dept. 246 from the chlorinators to go through the off-gas condenser and demister.
4. Removal of Aroclor from Gases from Blow Tank to Drowning Jet  
Premise issued, estimate EDC of 6/1/70  
EDC for installation, 10/1/70 (no change)  
Ball park estimate of \$15,000 to \$30,000
5. Removal of Dissolved Aroclors  
EDC - 1971 (if justified)

OTHER CURRENT WORK

Samples of Muriatic Acid made with a mixture of Aroclor and MCB off-gases were analyzed for PCB's. Leaving the HCl absorbers, a level of 148 ppb PCB's was found. After carbon treatment two samples were 1.8 and 4.0 ppb PCB's.

*R M M: Cutchan*

R. M. McCutchan

/EJS

*PCB "leaves" from plant*

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